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<p>(21) International Application Number: PCT/US94/10027</p> <p>(22) International Filing Date: 8 September 1994 (08.09.94)</p> <p>(30) Priority Data: 08/123,331 17 September 1993 (17.09.93) US</p> <p>(71) Applicant: BRIGHAM AND WOMEN'S HOSPITAL [US/US]; 75 Francis Street, Boston, MA 02115 (US).</p> <p>(71)(72) Applicant and Inventor: FOLTS, John, D. [US/US]; 2537 Chamberlain Avenue, Madison, WI 53705 (US).</p> <p>(72) Inventors: STAMLER, Jonathan; 3416 Juniper Place, Chapel Hill, NC 27514 (US). LOSCALZO, Joseph; 16 Ledgewood Drive, Dover, MA 02030-1812 (US).</p> <p>(74) Agents: OLSTEIN, Elliot, M. et al.; Carella, Byrne, Bain, Gilfillan, Cecchi, Stewart & Olstein, 6 Becker Farm Road, Roseland, NJ 07068 (US).</p>		<p>(81) Designated States: AU, CA, JP, European patent (AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE).</p> <p>Published <i>With international search report. Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i></p>
<p>(54) Title: USE OF NITRIC OXIDE-ADDUCTS TO PREVENT THROMBOSIS ON ARTIFICIAL AND VASCULAR SURFACES</p>		
<p>(57) Abstract</p> <p>This invention relates to the use of nitric oxide adducts to prevent platelet deposition and thrombus formation, on artificial surfaces which come into contact with blood. Suitable nitric oxide adducts include nitroglycerin, sodium nitroprusside, S-nitroso-proteins, S-nitrosothiols, long carbon-chain lipophilic S-nitrosothiols, S-nitroso-dithiols, iron-nitrosyl compounds, thionitrates, thionitrites, sydnominines, furoxans, organic nitrates, and nitrosated amino acids. In addition, nitric oxide adducts may also be administered to an animal or human to coat a damaged vascular surface, thereby preventing thrombus formation or platelet deposition on the surface.</p>		

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